

SALEM SOUND COASTWATCH

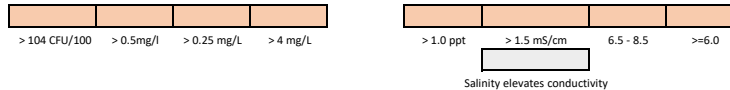
2024 Tributaries and Water Quality Monitoring

Location: Peabody, MA

Water Bodies: Tapley Brook, Goldwaith Brook, Proctor Brook, North River

Precipitation: All testing days were DRY

Date	Site Number	Time	48 hour rainfall in inches	Enterococci/100mL	Ammonia mg/L	Surfactants mg/L	Chlorine mg/L	Temperature °C	Salinity ppt	Conductivity mS/cm	pH	Dissolved Oxygen mg/L	Water Body	Field Notes
9/12/2024	P1	12:48	0.00	30	0.2	0.25	0.07	23.2	0.3	0.503	7.15	8	Goldwaith Brook	
9/12/2024	P2	12:15	0.00	5,938	0.2	0.2	0.26	21.7	0.3	0.4866	7.38	8	Tapley Brook	Low water, no animals present
10/29/2024	P2	9:10	0.00	1,068	0	0.25	0	8.5	0.3	0.3718	8.36	4	Tapley Brook	
9/12/2024	P3 (552)	11:30	0.00	31	0.25	0	0.04	21.9	0.8	1.407	7.1	9	Goldwaith Brook	
10/29/2024	P3 (552)	10:19	0.00	20	0.1	0.35	0.02	11.2	0.5	0.711	8.03	4	Goldwaith Brook	
9/12/2024	P4	13:25	0.00	86	0.2	0.3	0.02	20.4	0.8	1.44	7.34	11	Proctor Brook	10 turkeys came to investigate
10/29/2024	P5	9:33	0.00	10	0.1	0.25	0.06	10.9	0.2	0.3346	8.4	6	Tapley Brook	near dam at Sydneys Pond
10/29/2024	P6	9:59	0.00	41	0.15	0.35	0.11	11.5	0.3	0.4515	8.17	3	Tapley Brook	
9/12/2024	500 (W0453)	10:15	0.00	41	0.25	0.5	0.03	20.7	0.5	0.875	7.44	11	North River	
10/28/2024	500 (W0453)	11:30	0.00	~	0.15	0.25	0.04	10.8	0.5	0.714	8.26	11	North River	Outgoing tide (High Tide at 9:44 am)
11/19/2024	500 (W0453)	11:03	0.00	~	0	0.25	0.02	10.1	0.5	0.686	6.48	12	North River	Incoming tide (High Tide at 1:16 pm)
9/12/2024	W0454	14:00	0.00	141	0.2	0.2	0.11	22.3	0.5	0.917	7.35	8	Goldwaith Brook	
9/12/2024	W1896	11:00	0.00	96	0.25	0.2	0.11	20.5	0.6	1.123	7.46	11	Proctor Brook	Low water; Ducks on other side of bidge towards pond
10/28/2024	532A	10:15	0.00	~	0	2	NA	10.2	29.2	32.53	7.92	11	North River	Outgoing tide (High Tide at 9:44 am)
11/19/2024	532A	12:15	0.00	~	0	2.5	0.07	9.6	30.5	33.45	7.53	11	North River	Incoming tide (High Tide at 1:16 pm)
9/12/2024	532A	9:15	0.00	63	0.25	1.75	0.03	18.7	11.5	17	7.27	9	North River	Outgoing tide
10/28/2024	536	12:17	0.00	~	0.1	0.2	0.02	10.4	22.3	25.52	7.96	12	North River	Outgoing tide (High Tide at 9:44 am); Construction across the street on both sides of river
9/12/2024	536A	9:50	0.00	31	0.25	0.25	0.1	21.7	0.5	0.998	7.76	12	North River	Lots of trash, evidence of homeless camp
11/19/2024	536A	11:40	0.00	~	0	0.2	0	8.4	17.8	19.95	6.62	11	North River	Lots of ducks, grocery cart in the river; trash is better; Incoming tide (High Tide at 1:16 pm)



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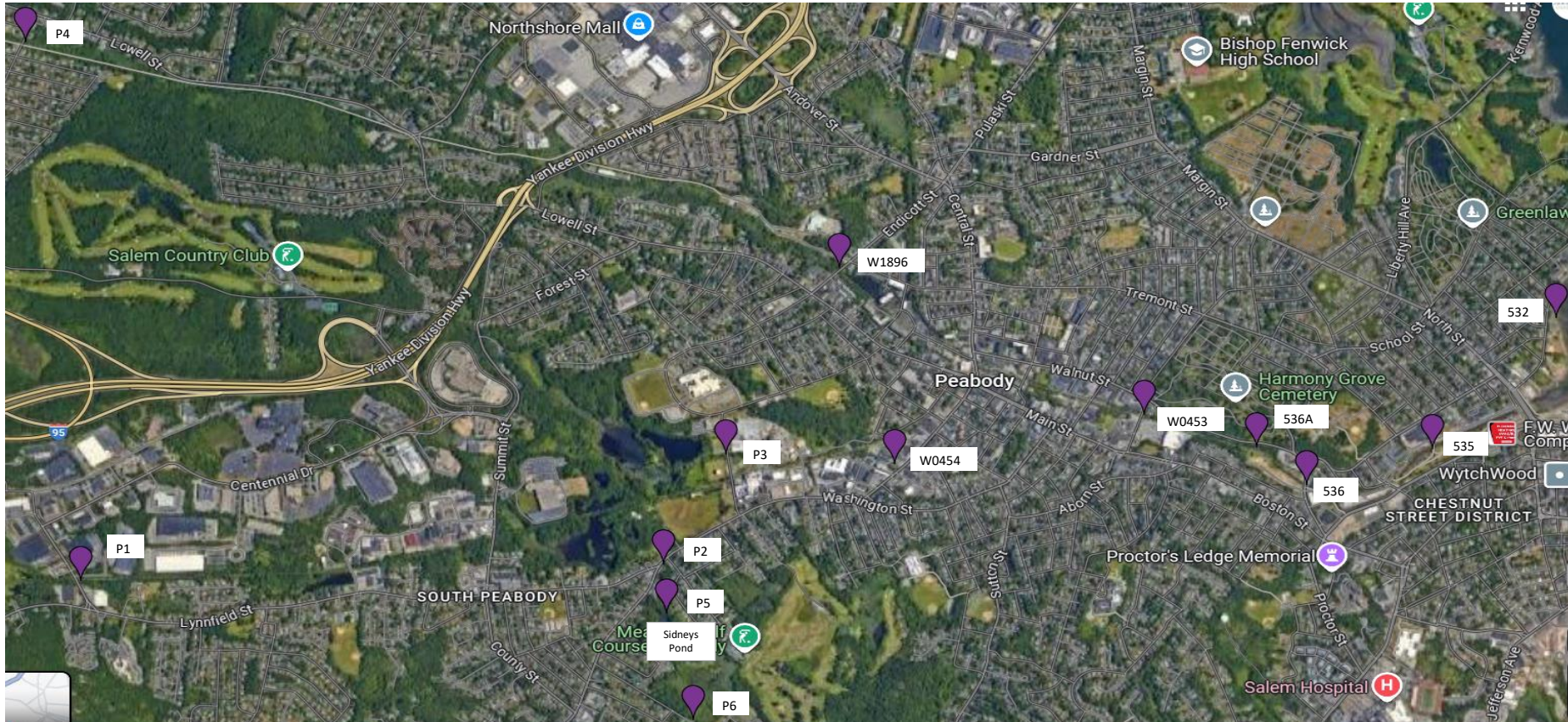
2024 Tributaries and Water Quality Monitoring

Location: Peabody, MA

Water Bodies: Tapley Brook, Goldwaith Brook, Proctor Brook, North River

Google Map of Site Locations:

https://www.google.com/maps/@42.5230148,-70.917919,2507m/data=!3m1!1e3!4m2!6m1!1s1XweSQeqgdoG4znx4fmnASwj09kjj1c?authuser=0&entry=ttu&g_ep=EgoyMDI1MDEyMC4wKXMDSoASAFQAw%3D%3D



Summary of Findings:

On September 12, 2024 Salem Sound Coastwatch (SSCW) gathered samples along the North River and several brooks in Peabody, MA. All the sites had Enterococcus levels below 100 except for Tapley Brook site P3 (552) at 5 Allens Lane, which had a level of 5,938/100mL. SSCW collected additional samples on October 28, 2024, to pinpoint the source of contamination. (See Enlarged Map Detail above) Additional samples were collected below the outfall dam at Sidneys Pond that feeds Tapley Brook (P5) as well as the outflow pipe at Cedar Grove Cemetery where Upper Tapley Brook flows into Sidneys Pond (P6). Because both samples had low levels of Enterococcus, (10 and 41 respectively), further investigation for the source of contamination should target between Washington Street (P2) and the dam for Sidney Pond's outlet (P5).